

Profile / 略歴

Panel Discussion / パネルディスカッション

TAKATA Yasuyuki / 高田 保之

Distinguished Research Professor,

International Institute for Carbon-Neutral Energy Research,

Kyushu University

九州大学 カーボンニュートラル・エネルギー国際研究所 特命教授



Yasuyuki Takata received his doctoral degree in Energy Conversion Engineering from Kyushu University in 1984 and joined the Faculty of Engineering at Kyushu University in the same year. He later became Professor of Mechanical Engineering and is currently Professor Emeritus and Distinguished Research Professor at the International Institute for Carbon-Neutral Energy Research (I²CNER), Kyushu University. He is Honorary Professor at The University of Edinburgh, UK from 2021 to 2027. His research fields include thermal engineering, thermophysical properties, phase-change heat transfer, wettability-controlled boiling and evaporation, spray cooling, and hydrogen energy systems. He has made internationally recognized contributions to the understanding of boiling and evaporation on super hydrophilic and superhydrophobic surfaces, as well as to thermophysical property measurements and dynamic simulations for high-pressure hydrogen refueling processes. From 2008 to 2013, he served concurrently as Leader of the Hydrogen Properties Research Team at HYDROGENIUS, AIST. He also served as Associate Director of I²CNER from 2013 to 2020. Professor Takata has held major leadership roles in academic societies, including President of the Japan Society of Thermophysical Properties, President of the Heat Transfer Society of Japan, and President of the Asian Union of Thermal Science and Engineering (AUTSE). He is currently a member of the Science Council of Japan.

高田保之（Yas）氏は、九州大学大学院総合理工学研究科博士後期課程を修了後、1984年に九州大学工学部講師に着任し、その後助教授、教授を歴任した。専門は熱工学・熱物性工学であり、特に相変化伝熱、濡れ性制御、高温面冷却、水素の熱物性および高圧水素システムの熱工学に関する研究で国際的に高い評価を受けている。超親水・超撥水表面を用いた沸騰・蒸発現象の解明や、水素充填過程の動的シミュレーションの開発など、多岐にわたる研究を推進してきた。2008年より産業技術総合研究所 HYDROGENIUS において水素物性研究チーム長を兼任し、2010年からは九州大学カーボンニュートラル・エネルギー国際研究所（I²CNER）の主任研究者・副所長を務めた。日本熱物性学会会長、日本伝熱学会会長、Asian Union of Thermal Science and Engineering（AUTSE）会長などを歴任し、現在は九州大学特命教授・名誉教授、日本学術会議会員、エディンバラ大学名誉教授(2021～2027)として活動している。